

REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Upon entry of this amendment, claims 1-12 will be pending. By this amendment, claims 1-6 and 8 have been amended; and claim 12 has been added. No new matter has been added.

§ 102 Rejection of Claims 1-9 and 11

In Section 2 of the Office Action, the Examiner has rejected claims 1-9 and 11 under 35 U.S.C. §102(e) as being anticipated by Stahl (U.S. Patent No. 6,665,020). Claims 1, 4, and 6 have been amended to address the rejection.

In the Background of the Specification, it was indicated that “[w]hen the controller is to control the data transmission in the asynchronous transportation mode or the like between the devices connected through the serial data bus having the IEEE 1394 method, a device to function as the controller should mount a function corresponding to the data transmission to be carried out at that time. More specifically, any device connected to the bus does not function as the controller and only a device mounting a function corresponding to the setting method of the transmission path at that time can carry out a processing as a controller for performing the corresponding control.”

It was further indicated that “[i]f all the devices in a network connected through the bus mount the function of the controller, any device in the network can freely set the transmission path so that the degree of freedom of the data transmission in the network can be enhanced. However, when the function of the controller is mounted on all the devices in the network, the mounting function of each device is increased correspondingly. Consequently, there is a

problem in that a cost for each device and the whole network is increased.” *Background of the Specification, page 2, line 24 to page 3, line 16.*

To address the above-described problem of a conventional network controller, embodiments of the presenting invention provide method, system, and device for transmitting data from a transmitting apparatus to a receiving apparatus through a predetermined network. Additional apparatus including a first controlling apparatus and a second controlling apparatus are connected to the predetermined network. Transmission data includes a request from the first controlling apparatus to the second controlling apparatus to execute a connection management to establish a connection between the transmitting apparatus and the receiving apparatus and to execute data transmission from the transmitting apparatus to the receiving apparatus through the connection by using a control module of a corresponding management function mounted in the second controlling apparatus.

For example, the steps of method claim 1, as presented herein, include:

*“transmitting a request from the first controlling apparatus to the second controlling apparatus to execute a connection management function, said **request for executing the connection management establishes a connection between the transmitting apparatus and the receiving apparatus on the predetermined network and executes data transmission from the transmitting apparatus to the receiving apparatus through the connection by using a control module of a corresponding connection management function mounted in the second controlling apparatus,***

when the first controlling apparatus for carrying out management for data transmission from the transmitting apparatus to the receiving apparatus does not mount a control module of the corresponding connection management function and has been notified by the second controlling apparatus that the second controlling apparatus mounts a control module of the corresponding connection management function.”

(emphasis added)

Claim 1 has been amended to clarify the meaning of the term “request for executing the connection management function”. That is, the execution of the connection management function establishes a connection between the transmitting apparatus and the receiving apparatus on the predetermined network and executes data transmission from the transmitting apparatus to the receiving apparatus through the connection by using a control module of a corresponding connection management function mounted in the second controlling apparatus.

By contrast, although Stahl discloses a control method for reducing the number of remote controls, Stahl fails to teach or suggest a “request for executing the connection management function” according to the meaning clarified in claim 1, as presented herein.

Based on the foregoing discussion, it is submitted that Stahl fails to teach or suggest all the limitations of claim 1. Therefore, claim 1 should be allowable over Stahl. Since independent claims 4 and 6 closely parallel, and include substantially similar limitations as, independent claim 1, claims 4 and 6 should also be allowable over Stahl. Since claims 2-3, 5, and 7-11 depend from one of claims 1, 4, and 6, claims 2-3, 5, and 7-11 should also be allowable over Stahl.

Accordingly, it is submitted that the Examiner’s rejection of claims 1-9 and 11 based upon 35 U.S.C. §102(e) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

Allowable Subject Matter of Claim 10 and Newly-added Claim 12

It is appreciatively noted that claim 10 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Newly-added claim 12 includes all the limitations of allowable claim 10. Therefore, claim 12 should be allowable.

Conclusion

In view of the foregoing, entry of this amendment, and the allowance of this application with claims 1-12 are respectfully solicited.

In regard to the claims amended herein and throughout the prosecution of this application, it is submitted that these claims, as originally presented, are patentably distinct over the prior art of record, and that these claims were in full compliance with the requirements of 35 U.S.C. §112. Changes that have been made to these claims were not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes were made simply for clarification and to round out the scope of protection to which Applicant is entitled.

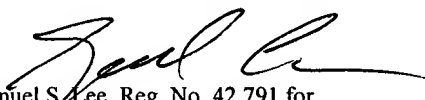
In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicant's representative at the telephone number written below.

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Respectfully submitted,

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